

# USP5 Rabbit Polyclonal Antibody

Catalog No: #54838



Package Size: #54838-1 50ul #54838-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)

Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

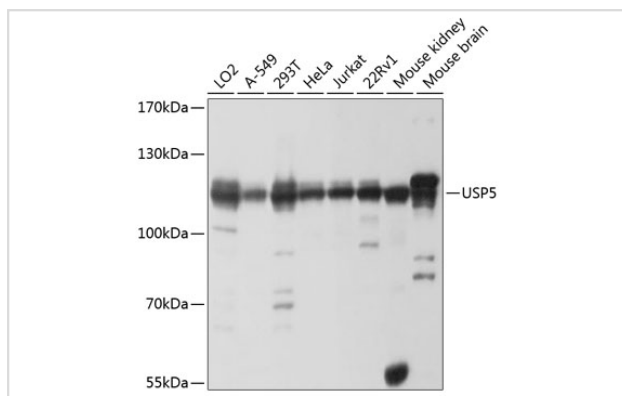
## Description

Product Name	USP5 Rabbit Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC,IF
Species Reactivity	Human,Mouse,Rat
Immunogen Description	Recombinant fusion protein of human USP5 (NP_003472.2).
Other Names	USP5;ISOT
Accession No.	Uniprot:P45974GeneID:8078
Calculated MW	93kDa/95kDa
SDS-PAGE MW	110kDa
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

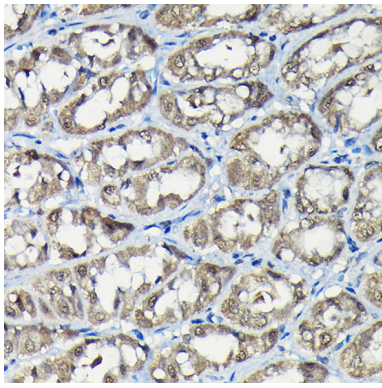
## Application Details

WB 1:1000 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:200

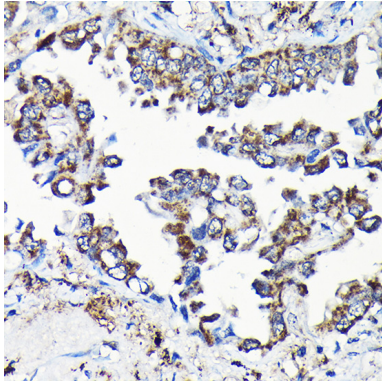
## Images



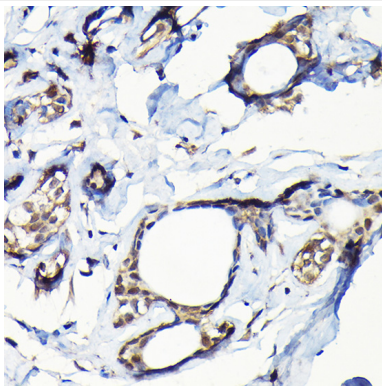
Western blot analysis of extracts of various cell lines, using USP5 antibody.



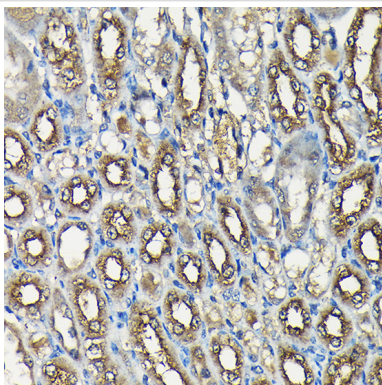
Immunohistochemistry of paraffin-embedded rat stomach using USP5 Rabbit pAb.



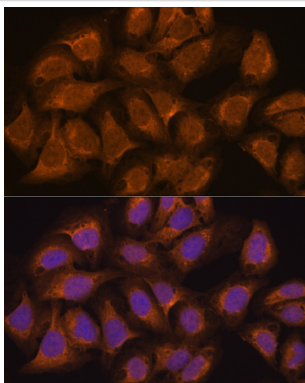
Immunohistochemistry of paraffin-embedded human lung cancer using USP5 Rabbit pAb.



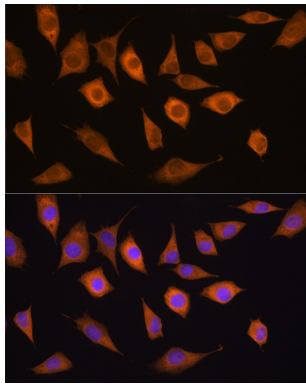
Immunohistochemistry of paraffin-embedded human breast cancer using USP5 Rabbit pAb.



Immunohistochemistry of paraffin-embedded mouse kidney using USP5 Rabbit pAb.



Immunofluorescence analysis of U2OS cells using USP5 antibody.



Immunofluorescence analysis of L929 cells using USP5 antibody.

## Background

Ubiquitin (see MIM 191339)-dependent proteolysis is a complex pathway of protein metabolism implicated in such diverse cellular functions as maintenance of chromatin structure, receptor function, and degradation of abnormal proteins. A late step of the process involves disassembly of the polyubiquitin chains on degraded proteins into ubiquitin monomers. USP5 disassembles branched polyubiquitin chains by a sequential exo mechanism, starting at the proximal end of the chain (Wilkinson et al., 1995 [PubMed 7578059]).[supplied by OMIM, Mar 2010]

Note: This product is for in vitro research use only and is not intended for use in humans or animals.